

SAFETY DATA SHEET



LANNATE

Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of Canada and may not meet the regulatory requirements in other countries.

SECTION 1. IDENTIFICATION

Product name : LANNATE
Other means of identification : No data available

Manufacturer or supplier's details

COMPANY IDENTIFICATION

Manufacturer/importer : CORTEVA AGRISCIENCE CANADA COMPANY
#2450, 215 - 2ND STREET S.W.
CALGARY AB, T2P 1M4
CANADA

Customer Information Number : 800-667-3852
E-mail address : solutions@corteva.com

Emergency telephone number : CANUTEC
1-888-226-8832

Recommended use of the chemical and restrictions on use

Recommended use : Insecticide
Restrictions on use : Do not use product for anything outside of the above specified uses.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Acute toxicity (Oral) : Category 2
Acute toxicity (Inhalation) : Category 2
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :  

Signal word : Danger

Hazard statements : H300 + H330 Fatal if swallowed or if inhaled.
H336 May cause drowsiness or dizziness.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Precautionary statements : **Prevention:**
P260 Do not breathe dust.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P284 Wear respiratory protection.

Response:
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
methomyl (ISO)	methomyl (ISO)	16752-77-5	90
Amorphous precipitated silica	Amorphous precipitated silica	112926-00-8	$\geq 3 - < 10$ *

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : For medical emergencies involving this product, call toll free 1-888-226-8832. See Label for Additional Precautions and Directions for Use.
ATROPINE IS AN ANTIDOTE - SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONINGS.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If inhaled : Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Call a poison control center or doctor for treatment advice.

In case of skin contact : Take off all contaminated clothing immediately.
Rinse skin immediately with plenty of water for 15-20 minutes.
Call a poison control center or doctor for treatment advice.

In case of eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

- If swallowed : Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Call a poison control center or doctor for treatment advice.
Call a physician or poison control centre immediately.
If swallowed, drink 1 or 2 glasses of water and try once or twice to induce vomiting by touching the back of throat with finger.
Induce vomiting if person is conscious.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : Poisoning produces effects associated with anticholinesterase activity which may include:
Weakness
blurred vision
Headache
Nausea
Abdominal pain
discomfort in the chest
constriction of pupils
Sweating
slow pulse
muscle twitching
- Notes to physician : Morphine, 2-PAM and oxime therapy are contra-indicated.
Administer atropine sulphate as an antidote until complete atropinisation (1.2-2.0 mg i.v. every 10-30 minutes).
However, for exposure to methomyl in combination with organophosphorous insecticides, 2-PAM (1-2 g slow i.v.) may be used as required to supplement the atropine sulfate treatment as described above.
Artificial respiration and/or oxygen may be necessary.
Allow no further exposure to any cholinesterase inhibitor until full recovery is assured.
Morphine, 2-PAM and oxime therapy are contra-indicated.
2-PAM may be used as an antidote in conjunction with atropine sulphate but must not be used alone.
-

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
- Unsuitable extinguishing media : Dry chemical
- Specific hazards during fire-fighting : Exposure to combustion products may be a hazard to health.
Applying foam will release significant amounts of hydrogen gas that can be trapped under the foam blanket.
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.
Combustion products may include and are not limited to:
Carbon oxides
Nitrogen oxides (NOx)
Isocyanates
Hydrogen cyanide (hydrocyanic acid)
Sulphur oxides
- Specific extinguishing methods : Do not allow extinguishing medium to contact container contents. Most fire extinguishing media will cause hydrogen evolution, and once the fire is put out, may accumulate in poorly
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SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

- Further information : ventilated or confined areas and result in flash fire or explosion if ignited.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
- Special protective equipment for firefighters : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
Avoid breathing dust.
Use personal protective equipment.
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.
Prevent from entering into soil, ditches, sewers, underwater.
See Section 12, Ecological Information.
- Methods and materials for containment and cleaning up : Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.
Pick up and arrange disposal without creating dust.
Recovered material should be stored in a vented container.
The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container.
Keep in suitable, closed containers for disposal.
Sweep up or vacuum up spillage and collect in suitable container for disposal.
See Section 13, Disposal Considerations, for additional information.
-

SECTION 7. HANDLING AND STORAGE

- Local/Total ventilation : Use with local exhaust ventilation.
- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours/dust.
Do not smoke.
Handle in accordance with good industrial hygiene and safety practice.
Avoid exposure - obtain special instructions before use.
Smoking, eating and drinking should be prohibited in the application area.
Avoid inhalation of vapour or mist.
Avoid contact with skin and eyes.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
 Date of first issue: 02/07/2023

Avoid prolonged or repeated contact with skin.
 Take care to prevent spills, waste and minimize release to the environment.
 Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Conditions for safe storage : Store in a closed container.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 Keep in properly labelled containers.
 Store in accordance with the particular national regulations.

Materials to avoid : Strong oxidizing agents
 Packaging material : Unsuitable material: None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
methomyl (ISO)	16752-77-5	TWA	2.5 mg/m ³	CA AB OEL
		TWA	2.5 mg/m ³	CA BC OEL
		TWAEV	2.5 mg/m ³	CA QC OEL
Amorphous precipitated silica	112926-00-8	TWA (Inhalable fraction and vapor)	0.2 mg/m ³	ACGIH
		TWA (Respirable)	1.5 mg/m ³	CA BC OEL
		TWA (Total)	4 mg/m ³	CA BC OEL
		TWAEV (respirable dust)	6 mg/m ³	CA QC OEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
methomyl (ISO)	16752-77-5	Acetylcholinesterase activity	In red blood cells	End of shift	70 % of an individual's baseline	ACGIH BEI
		Butyrylcholinesterase activity	In serum or plasma	End of shift	60 % of an individual's baseline	ACGIH BEI

Engineering measures : Use only with adequate ventilation.

Personal protective equipment

Respiratory protection : For exposures in enclosed areas:
 A respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.
 For exposures outdoors:
 A NIOSH approved dust/mist filtering respirator with any R, P, or HE filter or with approval number prefix TC-21C.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

- Hand protection
Remarks : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Mixers, loaders, applicators and other handlers who may be exposed to the concentrate must wear:
Long sleeved shirt and long pants
Chemical-resistant gloves
Chemical resistant footwear plus socks
Protective eyewear
Chemical resistant apron
Protective eyewear
Shoes plus socks
Chemical-resistant gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils
Coveralls
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.
Mixers, loaders, applicators and other handlers who may be exposed to the concentrate must wear:
Long sleeved shirt and long pants
Chemical-resistant gloves
Chemical resistant footwear plus socks
Protective eyewear
Chemical resistant apron
Applicators and other handlers exposed to the diluted material must wear:
Long sleeved shirt and long pants
Chemical-resistant gloves
Shoes plus socks
Protective eyewear
- Protective measures : Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
Eyewash facility and safety shower should be available.
All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.
End users of this product should follow label instructions for personal protection when using this product.
- Hygiene measures : Do not breathe dust or spray mist.
Do not get in eyes, on skin, or on clothing.
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
Remove personal protective equipment immediately after handling this product.
Wash the outside of gloves before removing.
As soon as possible, wash thoroughly and change into clean clothing.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Remove clothing/PPE immediately if material gets inside.
Wash thoroughly and put on clean clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Colour	:	white, or, blue
Odour	:	slight, sulphurous
Odour Threshold	:	not determined
Boiling point/boiling range	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	0.096 g/L
Vapour pressure	:	No data available
Relative vapour density	:	Not applicable
Relative density	:	1.2946 (25 °C)
Density	:	Not applicable
Solubility(ies) Water solubility	:	58 g/L (25 °C)
Auto-ignition temperature	:	Not applicable
Viscosity Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	No decomposition if stored and applied as directed. Stable under normal conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned. None known.
Conditions to avoid	:	None known.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Incompatible materials : Strong acids
Strong bases

Hazardous decomposition products : Decomposition products depend upon temperature, air supply and the presence of other materials.
Decomposition products can include and are not limited to:
Carbon oxides
Nitrogen oxides (NO_x)
Hydrogen cyanide (hydrocyanic acid)
Isocyanates
Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): 23 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.258 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: US EPA Test Guideline OPP 81-2

Components:

methomyl (ISO):

Acute oral toxicity : LD50 (Rat, male and female): 32 mg/kg
Method: Directive 67/548/EEC, Annex V, B.1.
Target Organs: Central nervous system

Acute inhalation toxicity : LC50 (Rat, Male and female): 0.258 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit, Male and female): > 2,000 mg/kg
Method: Directive 67/548/EEC, Annex V, B.3.

Amorphous precipitated silica:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Symptoms: No deaths occurred at this concentration.
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Maximum attainable concentration.

Acute dermal toxicity : LD50: > 2,000 mg/kg
Method: Estimated.
Assessment: The substance or mixture has no acute dermal toxicity

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Skin corrosion/irritation

Product:

Species : Rabbit

Components:

methomyl (ISO):

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Amorphous precipitated silica:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Components:

methomyl (ISO):

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

methomyl (ISO):

Test Type : Buehler Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

methomyl (ISO):

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

Amorphous precipitated silica:

Germ cell mutagenicity - Assessment : In vitro genetic toxicity studies were negative.

Carcinogenicity

Components:

methomyl (ISO):

Carcinogenicity - Assessment : Did not cause cancer in laboratory animals.

Amorphous precipitated silica:

Carcinogenicity - Assessment : Animal testing and human experience demonstrate no significant risk of human cancer from exposure to relatively pure amorphous silica.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Reproductive toxicity

Components:

methomyl (ISO):

Reproductive toxicity - Assessment : In animal studies, did not interfere with reproduction. Did not cause birth defects in laboratory animals.

Amorphous precipitated silica:

Reproductive toxicity - Assessment : Did not cause birth defects or any other fetal effects in laboratory animals.

STOT - single exposure

Product:

Assessment : May cause drowsiness or dizziness.

Components:

methomyl (ISO):

Exposure routes : Inhalation
Target Organs : Central nervous system
Assessment : May cause drowsiness or dizziness.

Amorphous precipitated silica:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Product:

Assessment : Evaluation of available data suggests that this material is not an STOT-RE toxicant.

Repeated dose toxicity

Components:

Amorphous precipitated silica:

Remarks : Diatomaceous earth or amorphous silica is considered a nuisance dust and does not cause the lung injury associated with crystalline silica. However, repeated excessive exposures to dust of amorphous silica (which is the main component in this product) may cause potentially reversible lung effects. Repeated exposures to dusts of this material are not anticipated to result in systemic toxicity or permanent lung injury; however, excessive exposures may cause less severe respiratory effects.

Aspiration toxicity

Product:

Based on physical properties, not likely to be an aspiration hazard.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Components:

methomyl (ISO):

Based on available information, aspiration hazard could not be determined.

Amorphous precipitated silica:

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.49 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes
- LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.63 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 0.017 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes
- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
- Toxicity to terrestrial organisms : LC50 (Colinus virginianus (Bobwhite quail)): > 5,620 mg/kg
Exposure time: 8 d
Method: OECD Test Guideline 205
GLP: yes
Remarks: The toxicological data has been taken from products of similar composition.
Information source: Internal study report
- LD50 (Apis mellifera (bees)): 0.00028 mg/kg
Exposure time: 2 d
Method: US EPA Test Guideline OPPTS 850.3020
Remarks: Oral
The toxicological data has been taken from products of similar composition.
Information source: Internal study report
- LD50 (Apis mellifera (bees)): 0.00016 mg/kg
Exposure time: 2 d
Method: US EPA Test Guideline OPPTS 850.3020
GLP: yes
Remarks: Contact
The toxicological data has been taken from products of similar composition.
Information source: Internal study report

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Components:

methomyl (ISO):

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.63 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.017 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- M-Factor (Acute aquatic toxicity) : 100
- Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0.073 mg/l
Exposure time: 35 d
Test Type: Early Life-Stage
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.0016 mg/l
Exposure time: 21 d
- M-Factor (Chronic aquatic toxicity) : 10
- Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): 23 mg/kg
Exposure time: 14 d
Method: OECD Test Guideline 207
- Toxicity to terrestrial organisms : LC50 (Anas platyrhynchos (Mallard duck)): 3,952 mg/kg
Exposure time: 8 d
Method: OECD Test Guideline 205
- LC50 (Colinus virginianus (Bobwhite quail)): > 5,620 mg/kg
Exposure time: 8 d
Method: OECD Test Guideline 205
- LD50 (Apis mellifera (bees)): 0.00028 mg/kg
Exposure time: 2 d
Method: US EPA Test Guideline OPPTS 850.3020
Remarks: Oral
- LC50 (Apis mellifera (bees)): 0.00016 mg/kg
Exposure time: 2 d
Method: US EPA Test Guideline OPPTS 850.3020
Remarks: Contact
- oral LD50 (Colinus virginianus (Bobwhite quail)): > 24.2 mg/kg
Remarks: Material is highly toxic to birds on an acute basis (LD50 between 10 and 50 mg/kg).

Amorphous precipitated silica:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 5,000 - 10,000 mg/l
Exposure time: 96 h
Test Type: Static

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
Exposure time: 24 h
Test Type: Static
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 440 mg/l
End point: Biomass
Exposure time: 72 h

Persistence and degradability

Components:

methomyl (ISO):

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential

Components:

methomyl (ISO):

Bioaccumulation : Remarks: Does not bioaccumulate.

Amorphous precipitated silica:

Partition coefficient: n-octanol/water : Remarks: Partitioning from water to n-octanol is not applicable.

Mobility in soil

No data available

Other adverse effects

Components:

Amorphous precipitated silica:

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.
If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 2757
Proper shipping name : CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Class : 6.1
Packing group : II
Labels : 6.1

IATA-DGR

UN/ID No. : UN 2757
Proper shipping name : Carbamate pesticide, solid, toxic (Methomyl)
Class : 6.1
Packing group : II
Labels : Toxic
Packing instruction (cargo aircraft) : 676
Packing instruction (passenger aircraft) : 669

IMDG-Code

UN number : UN 2757
Proper shipping name : CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Class : 6.1
Packing group : II
Labels : 6.1
EmS Code : F-A, S-A
Marine pollutant : yes
Remarks : Stowage category A

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

TDG

UN number : UN 2757
Proper shipping name : CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Class : 6.1
Packing group : II
Labels : 6.1
ERG Code : 151
Marine pollutant : yes(Methomyl)

Further information

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA Special provision A197, and ADR/RID special provision 375.

For Canadian Ground transportation TDG Exemption: 1.45.1 Marine Pollutants (Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, do not apply if they are in transport solely on land by road vehicle or railway vehicle).

SAFETY DATA SHEET

LANNATE



Version 1.0 Revision Date: 02/07/2023 SDS Number: 800080006110 Date of last issue: -
Date of first issue: 02/07/2023

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:

DSL : This product contains components that are not listed on the Canadian DSL nor NDSL.

Pest Control Products Act (PCPA) Registration Number : 10868

Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

Read the label and booklet before using. Keep out of reach of children.

DANGER POISON

May be fatal if swallowed, inhaled or absorbed through the skin or eyes.

This product is toxic to fish, birds and other wildlife.

This product is toxic to bees exposed to direct application.

This product is toxic to:

Aquatic organisms

Birds

Small wild mammals

Bees

Certain beneficial insects

SECTION 16. OTHER INFORMATION

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL : Canada. British Columbia OEL
CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
ACGIH / TWA : 8-hour, time-weighted average
CA AB OEL / TWA : 8-hour Occupational exposure limit
CA BC OEL / TWA : 8-hour time weighted average
CA QC OEL / TWA EV : Time-weighted average exposure value

SAFETY DATA SHEET

LANNATE



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	02/07/2023	800080006110	Date of first issue: 02/07/2023

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Take notice of the directions of use on the label.

Revision Date : 02/07/2023
Date format : mm/dd/yyyy

Product code: GF-4088

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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